

ABSTRACT

A new endoluminal prosthesis provides for a compressible and expansible single-piece thick walled cylindrical structure. The cylindrical structure is comprised of curved elongated beams which intermittently merge with adjacent curved elongated beams. Each beam has a radial thickness greater than the circumferential width. The configuration of  
5 the curved beams reduces stress concentrations in the expanded and compressed condition of the prosthesis. A method of manufacture is also provided.

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